Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/08/2014 09:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/27/2014 10:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124942	-1	1.58	124852	1.31
Blue	F	SSC	125000	123863	-1	3.00	123625	2.43
Blue	E	FITC	20974	20379	-3	1.78	924	7.64
Blue	D	PE	25516	25296	-1	1.45	943	6.90
Blue	B	PerCP-Cy5-5	47091	45972	-3	2.55	1570	11.25
Blue	A	PE-Cy7	41727	41056	-2	4.37	895	20.76
Red	C	APC	51192	50341	-2	2.25	2943	8.00
Red	A	APC-Cy7	50012	49834	-1	2.68	1571	8.24
Violet	B	V450	15453	15255	-2	1.81	917	5.54
Violet	A	V500	60987	59901	-2	1.58	2903	3.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20553	2.10	551	-8	N/A	N/A	Pass
Blue	F	SSC	60328	1.31	466	3	N/A	N/A	Pass
Blue	E	FITC	112	28.00	496	-3	0.0386	0	Pass
Blue	D	PE	210	19.41	485	-2	0.3146	160	Pass
Blue	B	PerCP-Cy5-5	215	31.03	562	-5	0.0185	46	Pass
Blue	A	PE-Cy7	81	70.71	614	-6	0.0262	14	Pass
Red	C	APC	335	23.54	559	-2	0.0297	134	Pass
Red	A	APC-Cy7	136	30.89	539	-1	0.0080	1665	Pass
Violet	B	V450	96	33.28	440	3	0.0961	2773	Pass
Violet	A	V500	198	17.53	470	2	0.0248	360	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.92	-31.64	0.98
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.25
Red	19.02	13.07 - 19.61	N/A	N/A	32.06	32.32	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14662

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments